

PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Joel A. KUBBY et al.

Group Art Unit:

Application No.: 10/712,200

Examiner:

Filed: November 12, 2003

Docket No.: 118449

For: MEMS WAVEGUIDE SHUTTLE OPTICAL LATCHING SWITCH

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

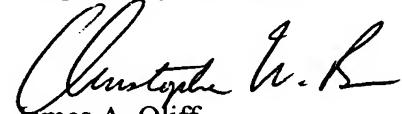
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references were cited in a counterpart foreign application. An English language version of the foreign (European) search report is attached for the Examiner's information.
- 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.
- 4. U.S. Patent No. 5,612,815 cited in the European Search Report has previously been disclosed to the Patent Office in the February 26, 2004 Information Disclosure Statement.

5. Documents 1 and 4 are each family members of document 5; document 2 is a family member of document 8; and document 3 is a family member of document 9.

Respectfully submitted,

  
James A. Oliff  
Registration No. 27,075

Christopher W. Brown  
Registration No. 38,025

JAO:CWB/rav

Date: July 11, 2004

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 24-0037



Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 118449		APPLICATION NO. 10/712,200	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Joel A. KUBBY et al.			
				FILING DATE November 12, 2003		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS
	1	6,236,139	5/22/2001	HILL et al.		310	307
	2	6,229,640	5/8/2001	ZHANG		359	290
	3	6,255,757	7/3/2001	DHULER et al.		310	307
	4	6,590,313	7/8/2003	AGRAWAL et al.		310	307
	5	2002/0011758	1/31/2002	AGRAWAL et al.		310	307
	6	2004/0020968	2/5/2004	HOWELL et al.		228	103
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB CLASS
	7	WO 02/23606	3/21/2002	WIPO			
	8	WO 01/11411	2/15/2001	WIPO			
	9	EP 1 081 391	3/7/2001	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	10	LEE, SHI-SHENG et al., "Surface Micromachined Free-Space Fiber Optic Switches with Integrated Microactuators for Optical Fiber Communication Systems", 1997 International Conference on Solid-State Sensors and Actuators, June 16-19, 1997, pages 85-88.					
EXAMINER						DATE CONSIDERED	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							